

# **COLLISION PREVENTION AUTOMATIC WARNING SYSTEM**

## **BACKGROUND OF THE INVENTION**

### **(a) Field of the Invention**

The present invention relates to automatic warning systems, and more particularly to a prompt automatic warning system for use when a vehicle has broke down or an accident has occurred, thereby promptly warning vehicles coming up from rear to pay heed to the break down or collision and thus preclude further collisions from occurring, hence providing an even safer traffic environment, and safeguarding pedestrians.

### **(b) Description of the Prior Art**

Accordingly, general road traffic vehicles, because of a break down or an automobile accident occurring ahead, which is unable to warn vehicles coming up from rear, serious collisions often occur resulting in grave loss in life and property.

## **SUMMARY OF THE INVENTION**

A primary objective of the present invention is to provide a control circuit assembled to comprise a controller, at least one sensor, a light-emitter, a sound-emitter, an electric battery power supply, and a standby battery supply. When a vehicle collision occurs, the sensors detect a signal and transmits same to the controller, whereupon the controller notifies the light-emitter and the sound-emitter, which thereupon emit a bright light and a loud sound respectively, thereby promptly warning vehicles coming up from rear to pay heed to the collision and thus preclude further collisions from occurring.

To enable a further understanding of the said objectives and the

technological methods of the invention herein, the brief description of the drawings below is followed by the detailed description of the preferred embodiments.

### **BRIEF DESCRIPTION OF THE DRAWINGS**

5     FIG. 1 shows a detailed circuit diagram according to the present invention.

### **DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENTS**

10     An automatic warning system of the present invention is assembled to comprise components including a controller 1, at least one sensor 2, a light-emitter 3, a sound-emitter 4, a vehicle electric battery power supply 5, and one standby battery supply 6, therewith the system is installed in the vehicle. Wherein, one end of the controller 1 is linked to at least one parallel-connected sensor 2, and another end of the controller 1 is linked to  
15     the parallel-connected light-emitter 3 and sound-emitter 4. The aforementioned control circuit 1 utilizes electric power supplied by the externally connected vehicle equipped electric battery power supply 5.

20     When a vehicle collision occurs, the sensors 2 detect a signal and transmits same to the controller 1, whereupon the controller 1 notifies the light-emitter 3 and the sound-emitter 4, which thereupon emit a bright light and a loud sound respectively, thereby promptly warning vehicles coming up from rear to pay heed to the collision and thus preclude further collisions from occurring.

25     If a collision of small extent occurs, and the sensors 2 do not detect such and thus does not implement any action, a driver of the vehicle can switch

the sensors on with a manual switch located at a side of the driver. The signal is thereupon transmitted to the controller 1, and as above, the controller 1 notifies the light-emitter 3 and the sound-emitter 4, which thereupon emit the bright light and the loud sound respectively, thereby promptly warning vehicles coming up from the rear to pay heed to the collision and thus preclude further collisions from occurring.

If a collision of great extent occurs, and causes the vehicle equipped electric battery power supply 5 to lose efficacy, the standby battery supply 6 of the collision prevention automatic warning system of the present invention is able to promptly provide the required electric power supply, thus enabling normal operation of the system, and accordingly emit the bright light and the loud sound, thereby promptly warning vehicles coming up from rear to pay heed to the collision and thus preclude further collisions from occurring.

One end of the controller 1 of the present invention can be additionally configured with an automatic police reporting system 8, which is enabled to link up with a police station. The automatic police reporting system 8 is connected in parallel to the light-emitter 3 and the sound-emitter 4, and thereby the automatic warning system of the present invention utilizes the automatic police reporting system to accelerate rescue time.

In conclusion, when the vehicle collision occurs, the sensors 2 of the present invention detect the signal and transmits same to the controller 1, whereupon the controller 1 notifies the light-emitter 3 and the sound-emitter 4, which thereupon emit the bright light and the loud sound respectively, thereby promptly warning vehicles coming up from rear to

pay heed to the collision and thus preclude further collisions from occurring, and the automatic police reporting system 8 can also concurrently transmits a report to the police, thereby accelerating rescue time.

- 5 It is of course to be understood that the embodiments described herein is merely illustrative of the principles of the invention and that a wide variety of modifications thereto may be effected by persons skilled in the art without departing from the spirit and scope of the invention as set forth in the following claims.

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